



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010468
CERTIFICATION DATE: October 16, 2013
DATE RECERTIFICATION DUE: April 14, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

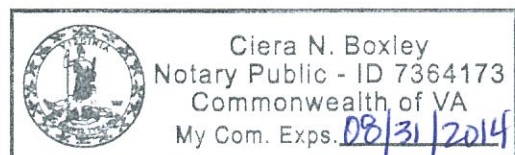
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 25th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/18/2013

HMS
DBH

Instrument Serial Number: 010468 As of 18-Oct-13

Maintenance Date	Certification Date	Technician Initials	Remarks
16-Oct-13	16-Oct-13	HMS (18910)	CERTIFIED
25-Sep-13	25-Sep-13	TLN (25387)	CERTIFIED.
23-Sep-13	23-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
06-Dec-12	06-Dec-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
24-Oct-12	24-Oct-12	HMS (18910)	CERTIFIED
16-Oct-12	16-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
13-Jun-12	13-Jun-12	DBH (21250)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

Handwritten initials/signature

Instrument Serial Number 010468 Worksheet Start Date 10/16/2013

Location Fairfax County Adult Detention Center

Address 10520 Judicial Dr., Fairfax, VA 22030

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

E-Seek	Old serial no.	New serial no.	Supplies
Keyboard			Mouthpieces
Printer			Certificates of Analysis
UPS			Operator Worksheet
			Other:

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010468

Certification Date 10/16/2013

Instrument Barometer (mm HG) 750

Reference Barometer (mm HG) 752

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.247	0.239	0.254	Sample 2	0.245
Precision		sample min	sample max	Sample 3	0.245
0.002		0.245	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.148	0.143	0.152	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.079	0.076	0.082	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG210901-09

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.099	0.096	0.102	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

DFS Technician

Hester W. Statton

Date

10/18/13

Issuing Analyst

Melissa Kennedy

Date

10/19/13

Intox EC/IR II QA Worksheet
Issued by Calibration and Training Program Manager
Issue Date: 4-March-2013

DFS Document 250-F113
Revision 6
Page 2 of 2

AMS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010468 Test Number: 826
Test Date: 10/16/2013 Test Time: 11:12 EDT

Technician Initials: HMS

Dry Gas Target: 0.247

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 522 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:12
BLK	0.000	11:13
CHK	0.247	11:14
BLK	0.000	11:15
CHK	0.245	11:16
BLK	0.000	11:17
CHK	0.245	11:18
BLK	0.000	11:19

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

AMS
10/16/13

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010468 Test Number: 827
Test Date: 10/16/2013 Test Time: 11:21 EDT

Technician Initials: HMS

Dry Gas Target: 0.148

Lot Number: 07713150I3-04 Exp Date: 05/01/2015

Tank Pressure: 71 psi Barometric Pressure: 750 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:21
BLK	0.000	11:22
CHK	0.152	11:23
BLK	0.000	11:24
CHK	0.152	11:25
BLK	0.000	11:26
CHK	0.152	11:27
BLK	0.000	11:28

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Handwritten initials:
JMS
MSK

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010468 Test Number: 828
Test Date: 10/16/2013 Test Time: 11:30 EDT

Technician Initials: HMS

Dry Gas Target: 0.079

Lot Number: 06512080I2-04 Exp Date: 04/01/2014

Tank Pressure: 80 psi Barometric Pressure: 750 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:30
BLK	0.000	11:31
CHK	0.079	11:32
BLK	0.000	11:33
CHK	0.079	11:34
BLK	0.000	11:35
CHK	0.079	11:36
BLK	0.000	11:37

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010468 Test Number: 829
Test Date: 10/16/2013 Test Time: 11:38 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 149 psi Barometric Pressure: 750 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:38
BLK	0.000	11:39
CHK	0.019	11:40
BLK	0.000	11:41
CHK	0.019	11:42
BLK	0.000	11:43
CHK	0.019	11:44
BLK	0.000	11:45

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

LMB

MSK

Intox EC/IR-11: Accuracy Check

Department of Forensic Science

Serial Number: 010468 Test Number: 830

Test Date: 10/16/2013 Test Time: 11:49 EDT

Dry Gas Target: 0.296

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 75 psi Barometric Pressure: 749 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:49
CHK	0.298	11:50
BLK	0.000	11:52
CHK	0.298	11:53
BLK	0.000	11:54
CHK	0.297	11:55

Test Status: *Success*

Calibration CRC: 21A2382B

INTOX
ASK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010468 Test Number: 831

Test Date: 10/16/2013 Test Time: 11:57 EDT

Dry Gas Target: 0.099

Lot Number: AG210901-09 Exp Date: 04/18/2014

Tank Pressure: 497 psi Barometric Pressure: 749 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:58
CHK	0.098	11:59
BLK	0.000	12:00
CHK	0.098	12:01
BLK	0.000	12:02
CHK	0.098	12:03

Test Status: Success

Calibration CRC: 21A2382B




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AKB
MSH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
--	--------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 10/16/2013
TEST EQUIPMENT NUMBER 010468		

RESULTS: TIME SAMPLE TAKEN 12:11 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 18 Oct 2013 at 08:19

AMS
MSK

Test Results

Instrument Serial Number 010468

Test # 000832 Subject Test

Test Location 1 Department of
Test Date 16 Oct 2013

Test Location 2 Forensic Science
Test Time 12:05
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 16 Oct 2013 End Time 12:12

Result Time 12:11

Result Date 16 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:05

Data Type BLK

Sample Value 0.000

Sample Time 12:06

Data Type CHK

Sample Value 0.098

Sample Time 12:07

Data Type BLK

Sample Value 0.000

Sample Time 12:08

Data Type SUBJ

Sample Value 0.000

Sample Time 12:09

Data Type BLK

Sample Value 0.000

Sample Time 12:10

Data Type SUBJ

Sample Value 0.000

Sample Time 12:11

Data Type BLK

Sample Value 0.000

Sample Time 12:12

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG210901-09

Standard Expiration Date 04/18/2014

Tank Pressure 487

Barometric Pressure 749 mmHg

Blow Sample Number 1 Blow Duration 3.74 sec

Blow Volume 1710 cc

End-of-Blow Time 12:09

Blow Sample Number 2 Blow Duration 3.87 sec

Blow Volume 1770 cc

End-of-Blow Time 12:11

Tamper Evident Stamp e7595eb2

Test Status Code 0

Test Status Success